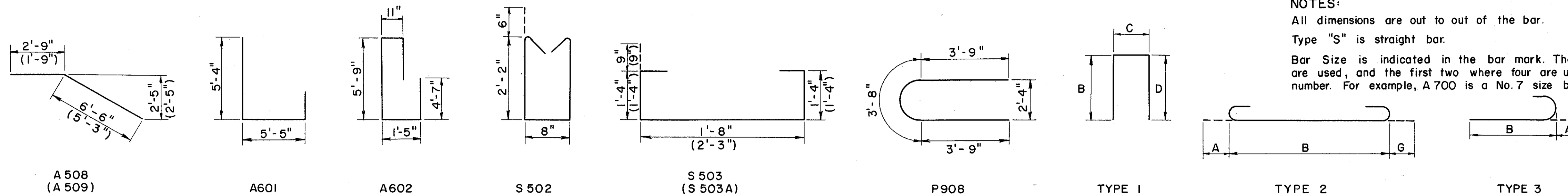


MICROFILMED
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NOTES:
All dimensions are out to out of the bar.
Type "S" is straight bar.
Bar Size is indicated in the bar mark. The first digit where three digits are used, and the first two where four are used, indicate the bar size number. For example, A 700 is a No. 7 size bar & A1014 is a No. 10 size.

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

LAKE COUNTY
LAK-2-16.49

277
313

REINFORCING STEEL LIST

ABUTMENTS										SUPERSTRUCTURE										PIERS																								
MARK	LEFT REAR	RIGHT REAR	LEFT FWD	RIGHT FWD	TOTAL	LENGTH	WEIGHT		TYPE	B	C	D	VARIES BY	NO. OF EACH	MARK	LEFT BRIDGE	RIGHT BRIDGE	TOTAL	LENGTH	WEIGHT		TYPE	B	C	D	VARIES BY	NO. OF EACH	MARK	LEFT REAR	RIGHT REAR	LEFT FWD	RIGHT FWD	TOTAL	LENGTH	WEIGHT		TYPE	A	B	C	D	G		
							LT. BRIDGE	RT. BRIDGE												LT. BRIDGE	RT. BRIDGE														LT. BRIDGE	RT. BRIDGE								
A 801	14	14	14	14	56	33'-1"	2,473	2,473	S						S701	169	169	338	43'-8"	15,085	15,085	S						P901	48	48	48	48	192	7'-1"	2,311	2,311	I		5'-9"	1'-7"	0			
A 601	60	60	60	60	240	12'-9"	2,298	2,298	-						S701A	106	106	212	42'-11" to 3'-11"	5,074	5,074	S					9"	4	P902	48	48	48	48	192	18'-0"	5,875	5,875	S						
A 602	31	30	30	31	122	14'-9"	1,351	1,351	-						S701B	10	10	20	4'-6"	92	92	S							P903	6	6	6	6	24	13'-0"	530	530	S						
A 603	21	22	22	21	86	12'-7"	812	812	I	5'-9"	1'-5"	5'-9"			S601	169	169	338	43'-8"	11,085	11,085	S							P904	8	8	8	8	32	26'-9"	1,455	1,455	S						
A 501	60	60	60	60	240	9'-8"	1,210	1,210	I	2'-3"	5'-5"	2'-3"			S601A	106	106	212	42'-11" to 3'-11"	3,729	3,729	S					9"	4	P905	6	6	6	6	24	18'-0"	734	734	3	1'-4"	16'-8"				
A 502	60	60	60	60	240	5'-8"	710	710	I	5'-0"	10 1/4"	0			S601B	10	10	20	4'-6"	68	68	S							P906	8	8	8	8	32	26'-6"	1,442	1,442	3	1'-4"	25'-2"				
A 503	52	52	52	52	208	10'-2"	1,103	1,103	I	3'-6"	3'-5"	3'-6"			S602	405	405	810	32'-9"	19,922	19,922	S							P907	8	8	8	8	32	8'-6"	462	462	1		3'-0"	5'-9"	0		
A 504	10	10	10	10	40	28'-9"	600	600	S						S603	70	70	140	24'-6"	2,576	2,576	S							P908	4	4	4	4	16	11'-2"	304	304	-						
A 505	18	18	18	18	72	26'-9"	1,004	1,004	S						S501	222	222	444	2'-9"	637	637	I	8 3/4"	1'-8"	8 3/4"				P701	32	32	32	32	128	10'-4"	1,351	1,351	2	10"	8'-8"				10"
A 506	6	6	6	6	24	25'-6"	319	319	S						S501A	2	2	4	3'-4"	7	7	I	8 1/4"	2'-3"	8 1/4"				P601	40	40	40	40	160	7'-0"	841	841	2	8"	5'-8"				8"
A 507	1	1	1	1	4	32'-0"	67	67	S						S502	224	224	448	5'-9"	1,343	1,343	-							P501	72	72	72	72	288	7'-9"	1,164	1,164	1		2'-8"	2'-8"	2'-8"		
A 508	2	2	2	2	8	9'-3"	39	39	-						S503	222	222	444	5'-7"	1,292	1,292	-							P502	4	4	4	4	16	26'-9"	223	223	S						
A 509	2	2	2	2	8	7'-0"	29	29	-						S503A	2	2	4	6'-2"	13	13	-																						
A 510	2	2	2	2	8	12'-0"	50	50	S																																			
A 511	2	2	2	2	8	20'-0"	83	83	S																																			
A 512	18	18	18	18	72	7'-7"	285	285	S																																			
A 513	8	8	8	8	32	5'-4" to 7'-6 1/2"	107	107	S				6 3/4"	8																														
A 514	10	10	10	10	40	5'-4" to 7'-7"	135	135	S				6 3/4"	8																														
A 515	36	36	36	36	144	6'-3"	469	469	I	2'-9"	1'-0"	2'-9"																																

MARK	LEFT REAR	RIGHT REAR	LEFT FWD	RIGHT FWD	TYPE	TOTAL	LENGTH	WEIGHT		PITCH	NO. TURNS	CORE DIA
								LT. BRIDGE	RT. BRIDGE			
Sp 401	4	-	-	-	Spiral	4	15'-2"	1,150	-	4 1/2"	44	32"
Sp 402	-	4	-	-	Spiral	4	14'-11"	-	1,150	4 1/2"	44	32"
Sp 403	-	-	4	4	Spiral	8	14'-9"	1,135	1,135	4 1/2"	43	32"

RAILING										
MARK	LEFT BRIDGE	RIGHT BRIDGE	TOTAL	LENGTH	WEIGHT	TYPE	A	B	VARIES BY	NO. OF EACH
R501	64	64	128	15'-0"	*	S				
R501A	16	16	32	16'-9"	*	S				

* Included with Item S-14 for Payment.

SPIRAL REINFORCING LIST NOTES

The "length" shown in steel list for the spiral bars is the distance from the top of the footing to the bottom of cap.
 The "number of turns" shown in the steel list for the spiral bars is the "length" divided by the pitch, plus three (3) turns (total number of closed coils) expressed as the nearest whole number.
 Spiral reinforcing bars shall not have deformations but shall in other respects conform to Item S-4.
 1/2 closed coils shall be provided at the ends of each spiral unit.
 Four steel channel, tee or angle spacers, weight approximately 0.68 pounds per linear foot of spacer, shall be provided for each spiral unit. They shall be equally spaced along the periphery of the coil. The number of pounds of these spacers, based on 0.68 pounds per linear foot will be paid for as reinforcing steel and is included in the tabulated quantity of spiral bars.

REPLACEMENT BARS				
MARK	NO.	LENGTH	WEIGHT	TYPE
RE 900	2	6'-10"		S
RE 700	4	6'-3"		S
RE 600	8	5'-11"		S
RE 500	2	5'-7"		S

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

REINFORCING STEEL LIST
BRIDGE NO. LAK-2-1801 L&R
RELOC. S.R. 2 OVER BACON ROAD
LAKE COUNTY
STA. 851 + 05.12
STA. 852 + 66.14

DESIGNED M.J.F. G.S.W.	DRAWN M.J.F.	TRACED REB	CHECKED L.L.D. M.J.F.	REVIEWED DATE G.S.W. M.C.P.	REVISED
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